SLAC Magnetic Measurements

Planar Insertion Device Shim Analysis

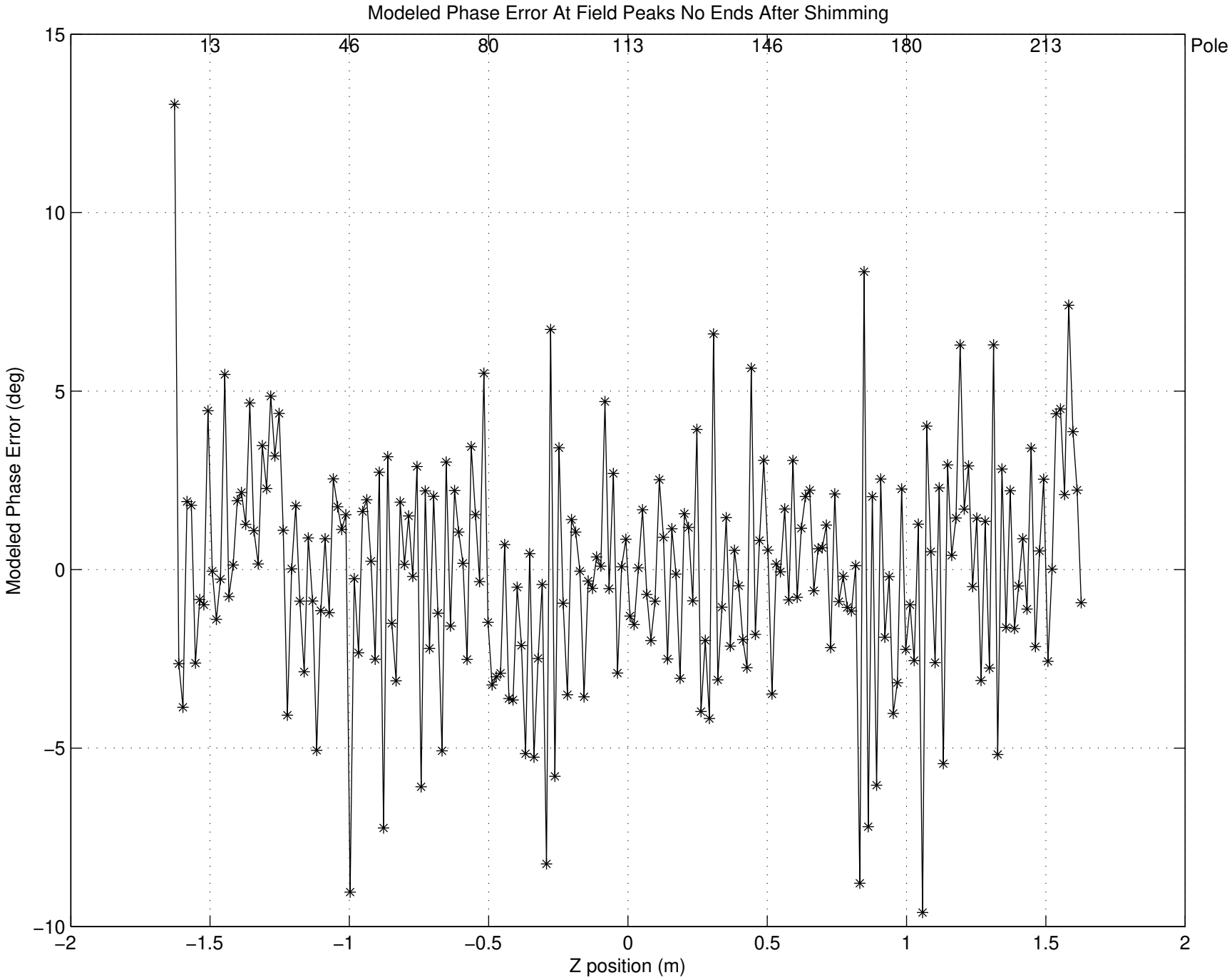
SLAC Magnetic Measurements
Date: 01−08−2013
Time: 10:16:58

Project: LCLS
Device Type: Undulator
Data Type:
Serial Number: L143−112000−40
DATASET Number: 3
Tuning Stage: Fine Tuning
Run Number: 15
Measurement Type: Z Scans
Operator: YL
Comment: tuning; third gap correction
Session first run: 13
Measurement Device x:
Measurement Device y: $SENTRON_4$41

Data File: s:\magdata\LCLS\Undulator\L143−112000−40\DATASET0003\Fine Tuning\Z Scans\Run 015\bscanz.dat

Temperature (C)
L143−112000−40:−−> T1 19.94 −−> T2 19.94 −−> T5 19.87 −−> T3 19.93 −−> Air 19.84 −−> T4 19.91

Axes position (m) X:0.030165 Y:0.000140
Initial Hall Probe Zero Measurements:
Vx_0i = 0.000849 V
Vy_0i = −0.003738 V



Phase Error: Ave = −0.000000 deg, RMS = 3.151818 deg